CITY OF SEDONA
102 Roadrunner Drive
Sedona, AZ 86336

DEPARTMENT OF COMMUNITY DEVELOPMENT
(928) 282-1154 FAX (928) 204-7124

2006 International Residential Code Design Criteria

(Effective October 10, 2007)

GROUND SNOW LOAD	WIND Speed (mph)	SIESMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM				WINTER DESIGN TEMPERATURE	FLOOD HAZARDS
			Weathering	Frost Line Depth	Termite	Decay		
25 psf	90 mph V3s	(1) C	Moderate	12"	Moderate to Heavy	None to Slight	16° F	(2)

(1) Site soil class D is assumed without a soils report. Where a soils class other than D is determined by a soils report, the seismic design category shall be determined in accordance with the International Building Code.

(2) Flood hazard areas shall be designated and regulated by the adopted regulations of the appropriate, governing County or City agency having flood management jurisdiction.

Allowable soil bearing (assumed without a soils report): 1500 psf

Seismic: Short period spectral response (Ss): 0.322%g
Short period design spectral response (Sds): 0.386%g

Seismic Design Category: C (for Soil Class D)

Wind: Exposure B (A specific site may be located in "open terrain" and may be required to be designed for Exposure C)

3 second gust: 90 mph

Rainfall: 2.5 inches per hour

Heating Degree Days: 3388

Cooling Degree Days: 1613

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Allowable soil bearing: 1500 psf (without a soils report)

Snow Loads: Ground snow (p_g): 25 psf

Seismic: Short period spectral response (S_s): 0.322%g
Long period spectral response (S_l): 0.091%g

Site Soils Class D (Assumed without soils report. Site soils class may be determined in accordance with Table 1615.1.1 based upon shear wave velocity, penetration and/or shear strength values established by a soils report.)

Short period design spectral response (S_{Ds}): 0.331 (for soil class D)
Long period design spectral response (S_{Dl}): 0.145 (for soil class D)

Seismic Design Category: C (Use Groups I and II, and soil class D)
D (Use Group III and soil class D)

Wind: Exposure B (A specific site may be located in "open terrain" and may be required to be designed for Exposure C)

3 second gust: 90 mph V3s

Rainfall: 2.5 inches per hour

Heating Degree Days: 3388
Cooling Degree Days: 1613
Winter Design Temperature: 16° F